



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1066257
OIL & GAS CONSERVATION DIVISION

Form ACO-1
August 2013

Form must be Typed
Form must be Signed
All blanks must be Filled

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # _____

Name: _____

Address 1: _____

Address 2: _____

City: _____ State: _____ Zip: _____ + _____

Contact Person: _____

Phone: (_____) _____

CONTRACTOR: License # _____

Name: _____

Wellsite Geologist: _____

Purchaser: _____

Designate Type of Completion:

- New Well Re-Entry Workover
- Oil WSW SWD SIOW
- Gas D&A ENHR SIGW
- OG GSW Temp. Abd.
- CM (Coal Bed Methane)
- Cathodic Other (Core, Expl., etc.): _____

If Workover/Re-entry: Old Well Info as follows:

Operator: _____

Well Name: _____

Original Comp. Date: _____ Original Total Depth: _____

- Deepening Re-perf. Conv. to ENHR Conv. to SWD
- Plug Back Conv. to GSW Conv. to Producer
- Commingled Permit #: _____
- Dual Completion Permit #: _____
- SWD Permit #: _____
- ENHR Permit #: _____
- GSW Permit #: _____

Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date
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API No. 15 - _____

Spot Description: _____

_____ - _____ - _____ Sec. _____ Twp. _____ S. R. _____ East West

_____ Feet from North / South Line of Section

_____ Feet from East / West Line of Section

Footages Calculated from Nearest Outside Section Corner:

- NE NW SE SW

GPS Location: Lat: _____, Long: _____
(e.g. xx.xxxxx) (e.g. -xxx.xxxxx)

Datum: NAD27 NAD83 WGS84

County: _____

Lease Name: _____ Well #: _____

Field Name: _____

Producing Formation: _____

Elevation: Ground: _____ Kelly Bushing: _____

Total Vertical Depth: _____ Plug Back Total Depth: _____

Amount of Surface Pipe Set and Cemented at: _____ Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set: _____ Feet

If Alternate II completion, cement circulated from: _____

feet depth to: _____ w/ _____ sx cmt.

Drilling Fluid Management Plan

(Data must be collected from the Reserve Pit)

Chloride content: _____ ppm Fluid volume: _____ bbls

Dewatering method used: _____

Location of fluid disposal if hauled offsite: _____

Operator Name: _____

Lease Name: _____ License #: _____

Quarter _____ Sec. _____ Twp. _____ S. R. _____ East West

County: _____ Permit #: _____

AFFIDAVIT

I am the affiant and I hereby certify that all requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Submitted Electronically

KCC Office Use ONLY

- Confidentiality Requested
Date: _____
- Confidential Release Date: _____
- Wireline Log Received
- Geologist Report Received
- UIC Distribution
- ALT I II III Approved by: _____ Date: _____

1066257

Operator Name: _____ Lease Name: _____ Well #: _____

Sec. _____ Twp. _____ S. R. _____ East West County: _____

INSTRUCTIONS: Show important tops of formations penetrated. Detail all cores. Report all final copies of drill stems tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface test, along with final chart(s). Attach extra sheet if more space is needed.

Final Radioactivity Log, Final Logs run to obtain Geophysical Data and Final Electric Logs must be emailed to kcc-well-logs@kcc.ks.gov. Digital electronic log files must be submitted in LAS version 2.0 or newer AND an image file (TIFF or PDF).

Drill Stem Tests Taken <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i> Samples Sent to Geological Survey <input type="checkbox"/> Yes <input type="checkbox"/> No Cores Taken <input type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Run <input type="checkbox"/> Yes <input type="checkbox"/> No List All E. Logs Run:	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample Name Top Datum
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CASING RECORD <input type="checkbox"/> New <input type="checkbox"/> Used							
Report all strings set-conductor, surface, intermediate, production, etc.							
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate <input type="checkbox"/> Protect Casing <input type="checkbox"/> Plug Back TD <input type="checkbox"/> Plug Off Zone				

Did you perform a hydraulic fracturing treatment on this well? Yes No *(If No, skip questions 2 and 3)*

Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons? Yes No *(If No, skip question 3)*

Was the hydraulic fracturing treatment information submitted to the chemical disclosure registry? Yes No *(If No, fill out Page Three of the ACO-1)*

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record <i>(Amount and Kind of Material Used)</i>	Depth

TUBING RECORD:	Size:	Set At:	Packer At:	Liner Run: <input type="checkbox"/> Yes <input type="checkbox"/> No
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Date of First, Resumed Production, SWD or ENHR.	Producing Method: <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other <i>(Explain)</i> _____
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Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity

DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <input type="checkbox"/> Other <i>(Specify)</i> _____	PRODUCTION INTERVAL: _____ _____
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Form	ACO1 - Well Completion
Operator	SandRidge Exploration and Production LLC
Well Name	Mariah 1-36H
Doc ID	1066257

Perforations

Shots Per Foot	Perforation Record	Material Record	Depth
6	9972-75, 9848-51, 9723-26	frac w/6095 bbls Slickwater, 36 bbls 15% NeFe HCl, 101M lbs 40/70 sd, 6132 TLTR	
6	9599-9602, 9474-77, 9350-53	frac w/ 5488 bbls Slickwater, 36 bbls 15% NeFe HCl, 98M lbs 40/70 sd, 14374 TLTR	
6	9225-28, 9101-04, 8976-79	frac w/ 5636 bbls Slickwater, 36 bbls 15% NeFe HCl, 100M lbs 40/70 sd, 20257 TLTR	
6	8852-55, 8727-30, 8603-06	frac w/ 5648 bbls Slickwater, 36 bbls 15% NeFe HCl, 102M lbs 40/70 sd, 26067 TLTR	
6	8478-81, 8354-57, 8229-32	frac w/ 5135 bbls Slickwater, 36 bbls 15% NeFe HCl, 100M lbs 40/70 sd, 31869 TLTR	
6	8105-08, 7980-83, 7856-59	frac w/ 5472 bbls Slickwater, 34 bbls 15% NeFe HCl, 100M lbs 40/70 sd, 37511 TLTR	

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Operator	SandRidge Exploration and Production LLC
Well Name	Mariah 1-36H
Doc ID	1066257

Perforations

Shots Per Foot	Perforation Record	Material Record	Depth
6	7731-34, 7607-10, 7482-85	frac w/ 5421 bbls Slickwater, 34 bbls15% HeNe HCl, 97M lbs 40/70 sd, 43073 TLTR	
6	7358-61, 7233-36, 7109-12	frac w/ 5467 bbls Slickwater, 36 bbls15% NeFe HCl, 98M lbs 40/70 sd, 48668 TLTR	
6	6984-87, 6860-63, 6735-38	frac w/ 5452 bbls Slickwater, 36 bbls 15% NeFe HCl, 102M lbs 40/70 sd, 54223 TLTR	
6	6611-14, 6486-89, 6362-65	frac w/ 5128 bbls Slickwater, 34 bbls 15% NeFe HCl, 100M lbs 40/70 sd, 59512 TLTR	
6	6237-40, 6113-16, 5988-91	frac w/ 5230 bbls Slickwater, 33 bbls 15% NeFe HCl, 10M lbs 40/70 sd, 64848 TLTR	
6	5864-67, 5739-42, 5615-18	frac w/ 5414 bbls Slickwater, 28 bbls 15% NeFe HCl, 97M lbs 40/70 sd, 70321 TLTR	

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Doc ID	1066257

Casing

Purpose Of String	Size Hole Drilled	Size Casing Set	Weight	Setting Depth	Type Of Cement	Number of Sacks Used	Type and Percent Additives
Conductor	32	20	0	90	Class A	240	
Surface	12.25	9.63	36	834	Lite Standard	620	2% Ca Cl
Intermediate	8.75	7	26	5605	50/50 POZ Premium	200	4% gel, .4% C12, .1% C37, .5% C41P; 2lb/sack Phenoseal
Production	8.13	4.5	11.6	9999	50/50 Premium Poz	610	(4% gell) - .4% C12- .1% C37- .5%C-41P: 2 lb/sack Phenoseal

DRILLTECH MWD SURVEY REPORT

Company: Sandridge Energy Job Number: KTX-021 Calculation Method: Minimum Curvature
 Well: Mariah 1-36H Magnetic Decl.: 6.15 Proposed Azimuth: 181.07
 Location: Sec 25- T31S- R20W Grid Corr.: WELL API #:
 Rig: Lariat 38 Total Grid Corr.: 6.15 Tie Into: MWD

Survey #	Survey Tool Type	Survey Depth (ft)	Inclination (deg)	Azimuth (deg)	Course Length (ft)	True Vertical Depth (ft)	Vertical Section (ft)	Coordinates		Closure		Dogleg Severity (d/100')	Build Rate (d/100')		
								N/S (ft)	E/W (ft)	Distance (ft)	Angle (deg)				
Tie In	Mwd	0	0.00	0.00	0	0	0	0			0	0	0		
1	Mwd	859.00	0.60	249.60	859	858.98	1.65	1.57	S	4.22	W	4.50	249.60	0.07	0.07
2	Mwd	1133.00	1.00	267.90	274	1132.96	2.30	2.16	S	7.95	W	8.24	254.83	0.17	0.15
3	Mwd	1610.00	0.80	1.60	477	1609.92	-0.80	1.02	N	12.02	W	12.06	274.86	0.28	-0.04
4	Mwd	2086.00	0.80	343.70	476	2085.87	-7.29	7.53	N	12.86	W	14.90	300.36	0.05	0.00
5	Mwd	2562.00	0.80	0.30	476	2561.83	-13.78	14.04	N	13.77	W	19.67	315.56	0.05	0.00
6	Mwd	3038.00	0.50	269.70	476	3037.80	-17.06	17.36	N	15.83	W	23.49	317.63	0.20	-0.06
7	Mwd	3514.00	0.80	313.10	476	3513.78	-19.23	19.62	N	20.33	W	28.25	313.97	0.12	0.06
8	Mwd	3989.00	1.00	345.30	475	3988.72	-25.44	25.89	N	23.81	W	35.17	317.40	0.11	0.04
9	Mwd	4021.00	1.00	351.70	32	4020.72	-25.99	26.44	N	23.92	W	35.65	317.86	0.35	0.00
10	Mwd	4053.00	0.80	357.70	32	4052.71	-26.48	26.94	N	23.97	W	36.06	318.34	0.69	-0.63
11	Mwd	4085.00	1.00	351.80	32	4084.71	-26.98	27.44	N	24.02	W	36.46	318.80	0.69	0.63
12	Mwd	4116.00	1.00	351.70	31	4115.70	-27.52	27.97	N	24.09	W	36.92	319.26	0.01	0.00
13	Mwd	4148.00	1.00	354.40	32	4147.70	-28.07	28.53	N	24.16	W	37.38	319.74	0.15	0.00
14	Mwd	4180.00	1.00	1.90	32	4179.69	-28.63	29.08	N	24.18	W	37.82	320.26	0.41	0.00
15	Mwd	4212.00	1.20	11.40	32	4211.69	-29.24	29.69	N	24.10	W	38.24	320.93	0.84	0.63
16	Mwd	4275.00	0.90	20.90	63	4274.68	-30.35	30.80	N	23.80	W	38.92	322.31	0.55	-0.48
17	Mwd	4307.00	1.00	210.10	32	4306.68	-30.34	30.79	N	23.85	W	38.95	322.24	5.92	0.31
18	Mwd	4338.00	3.80	205.50	31	4337.64	-29.17	29.63	N	24.43	W	38.40	320.50	9.05	9.03
19	Mwd	4370.00	5.60	199.20	32	4369.54	-26.72	27.20	N	25.40	W	37.21	316.96	5.84	5.63
20	Mwd	4402.00	7.40	193.90	32	4401.33	-23.23	23.72	N	26.40	W	35.50	311.94	5.92	5.63
21	Mwd	4433.00	9.40	193.30	31	4432.00	-18.81	19.32	N	27.47	W	33.58	305.13	6.46	6.45
22	Mwd	4465.00	12.00	195.70	32	4463.44	-13.03	13.58	N	28.97	W	31.99	295.11	8.24	8.13
23	Mwd	4497.00	14.60	197.80	32	4494.58	-5.95	6.53	N	31.10	W	31.78	281.86	8.26	8.13
24	Mwd	4529.00	16.70	197.20	32	4525.39	2.33	1.70	S	33.69	W	33.74	267.11	6.58	6.56
25	Mwd	4560.00	19.70	195.70	31	4554.83	11.67	10.99	S	36.43	W	38.05	253.21	9.79	9.68
26	Mwd	4592.00	22.50	194.60	32	4584.69	22.84	22.11	S	39.43	W	45.20	240.72	8.84	8.75
27	Mwd	4624.00	24.50	194.90	32	4614.03	35.24	34.45	S	42.68	W	54.85	231.09	6.26	6.25
28	Mwd	4656.00	26.50	193.20	32	4642.91	48.66	47.81	S	46.02	W	66.36	223.90	6.65	6.25
29	Mwd	4687.00	28.90	189.30	31	4670.36	62.84	61.94	S	48.81	W	78.86	218.24	9.70	7.74
30	Mwd	4719.00	31.00	187.80	32	4698.08	78.68	77.74	S	51.17	W	93.07	213.36	6.97	6.56
31	Mwd	4751.00	33.00	186.20	32	4725.22	95.54	94.57	S	53.23	W	108.52	209.38	6.79	6.25
32	Mwd	4783.00	36.10	183.80	32	4751.58	113.64	112.64	S	54.80	W	125.26	205.94	10.58	9.69

DRILLTECH MWD SURVEY REPORT

Company: Sandridge Energy Job Number: KTX-021
 Well: Mariah 1-36H Magnetic Decl.: 6.15
 Location: Sec 25- T31S- R20W Grid Corr.:
 Rig: Larlet 38 Total Grid Corr.: 6.15
 Calculation Method: Minimum Curvature
 Proposed Azimuth: 181.07
 WELL API #
 Tie Into: MWD

Survey #	Survey Tool Type	Survey Depth (ft)	Inclina- tion (deg)	Azimuth (deg)	Course Length (ft)	True Vertical Depth (ft)	Vertical Section (ft)	Coordinates		Closure Distance (ft)	Closure Angle (deg)	Dogleg Severity (d/100')	Build Rate (d/100')		
								N/S	E/W						
33	Mwd	4814.00	38.20	182.90	31	4776.28	132.35	131.33	S	55.89	W	142.73	203.05	7.00	6.77
34	Mwd	4846.00	39.70	183.00	32	4801.17	152.45	151.42	S	56.93	W	161.77	200.60	4.69	4.69
35	Mwd	4878.00	41.00	182.60	32	4825.56	173.16	172.11	S	57.94	W	181.60	198.60	4.14	4.06
36	Mwd	4910.00	42.90	182.10	32	4849.35	194.55	193.48	S	58.81	W	202.23	196.91	6.03	5.94
37	Mwd	4942.00	44.90	181.00	32	4872.41	216.73	215.66	S	59.41	W	223.70	195.40	6.69	6.25
38	Mwd	4973.00	47.10	180.40	31	4893.94	239.03	237.96	S	59.68	W	245.33	194.08	7.23	7.10
39	Mwd	5005.00	47.70	179.60	32	4915.60	262.58	261.51	S	59.68	W	268.24	192.86	2.63	1.88
40	Mwd	5037.00	50.00	180.10	32	4936.66	286.67	285.61	S	59.62	W	291.76	191.79	7.28	7.19
41	Mwd	5069.00	50.40	180.20	32	4957.14	311.25	310.19	S	59.68	W	315.88	190.89	1.27	1.25
42	Mwd	5100.00	50.20	179.80	31	4976.94	335.10	334.04	S	59.68	W	339.33	190.13	1.18	-0.65
43	Mwd	5132.00	50.00	179.60	32	4997.47	359.64	358.59	S	59.55	W	363.50	189.43	0.79	-0.63
44	Mwd	5164.00	49.90	179.30	32	5018.06	384.13	383.09	S	59.32	W	387.65	188.80	0.78	-0.31
45	Mwd	5195.00	49.50	178.90	31	5038.11	407.76	406.73	S	58.95	W	410.98	188.25	1.62	-1.29
46	Mwd	5227.00	49.60	178.50	32	5058.87	432.09	431.07	S	58.40	W	435.01	187.71	1.00	0.31
47	Mwd	5259.00	52.10	178.70	32	5079.07	456.88	455.88	S	57.79	W	459.53	187.22	7.83	7.81
48	Mwd	5291.00	55.20	180.10	32	5098.04	482.64	481.65	S	57.53	W	485.07	186.81	10.31	9.69
49	Mwd	5322.00	58.50	181.10	31	5114.99	508.59	507.59	S	57.80	W	510.87	186.50	10.98	10.65
50	Mwd	5354.00	61.60	181.80	32	5130.96	536.31	535.31	S	58.51	W	538.50	186.24	9.87	9.69
51	Mwd	5386.00	65.50	181.40	32	5145.21	564.95	563.94	S	59.30	W	567.05	186.00	12.24	12.19
52	Mwd	5418.00	69.40	181.10	32	5157.48	594.50	593.48	S	59.95	W	596.50	185.77	12.22	12.19
53	Mwd	5449.00	73.40	181.10	31	5167.37	623.87	622.85	S	60.51	W	625.78	185.55	12.90	12.90
54	Mwd	5481.00	76.40	181.00	32	5175.70	654.77	653.74	S	61.08	W	656.59	185.34	9.38	9.38
55	Mwd	5513.00	78.90	180.50	32	5182.55	686.02	684.99	S	61.49	W	687.75	185.13	7.96	7.81
56	Mwd	5544.00	81.70	180.20	31	5187.77	716.57	715.55	S	61.67	W	718.20	184.93	9.08	9.03
57	Mwd	5638.00	85.10	180.60	94	5198.57	809.93	808.91	S	62.33	W	811.30	184.41	3.64	3.62
58	Mwd	5670.00	84.80	179.90	32	5201.39	841.80	840.78	S	62.46	W	843.10	184.25	2.37	-0.94
59	Mwd	5702.00	86.20	178.10	32	5203.90	873.68	872.68	S	61.91	W	874.87	184.06	7.11	4.38
60	Mwd	5734.00	88.80	177.30	32	5205.30	905.59	904.62	S	60.62	W	906.65	183.83	8.50	8.12
61	Mwd	5766.00	89.60	176.60	32	5205.74	937.51	936.57	S	58.92	W	938.42	183.60	3.32	2.50
62	Mwd	5798.00	89.30	176.40	32	5206.05	969.40	968.51	S	56.97	W	970.18	183.37	1.13	-0.94
63	Mwd	5830.00	91.20	176.30	32	5205.91	1001.29	1000.44	S	54.93	W	1001.95	183.14	5.95	5.94
64	Mwd	5861.00	91.70	176.60	31	5205.13	1032.18	1031.37	S	53.01	W	1032.73	182.94	1.88	1.61
65	Mwd	5893.00	92.00	176.10	32	5204.09	1064.06	1063.29	S	50.98	W	1064.51	182.74	1.82	0.94
66	Mwd	5925.00	91.90	176.80	32	5203.01	1095.93	1095.21	S	49.00	W	1096.30	182.56	2.21	-0.31
67	Mwd	6021.00	91.40	177.40	96	5200.24	1191.66	1191.05	S	44.14	W	1191.86	182.12	0.81	-0.52
68	Mwd	6116.00	91.10	179.10	95	5198.17	1286.52	1285.98	S	41.24	W	1286.64	181.84	1.82	-0.32

DRILLTECH MWD SURVEY REPORT

Company: Sandridge Energy Job Number: KTX-021
 Well: Mariah 1-36H Magnetic Decl.: 6.15
 Location: Sec 25- T31S- R20W Grid Corr.:
 Rig: Larlet 38 Total Grid Corr.: 6.15
 Calculation Method: Minimum Curvature
 Proposed Azimuth: 181.07
 WELL API #
 Tie Info: MWD

Survey #	Survey Tool Type	Survey Depth (ft)	Inclination (deg)	Azimuth (deg)	Course Length (ft)	True Vertical Depth (ft)	Vertical Section (ft)	Coordinates N/S (ft)	E/W (ft)	Closure Distance (ft)	Closure Angle (deg)	Dogleg Severity (d/100')	Build Rate (d/100')
69	Mwd	6212.00	91.20	178.90	96	5196.24	1382.44	1381.94 S	39.57 W	1382.51	181.64	0.23	0.10
70	Mwd	6308.00	90.60	180.20	96	5194.73	1478.39	1477.92 S	38.81 W	1478.43	181.50	1.49	-0.63
71	Mwd	6403.00	91.00	180.10	95	5193.41	1573.37	1572.91 S	39.06 W	1573.40	181.42	0.43	0.42
72	Mwd	6499.00	90.70	180.10	96	5191.98	1669.34	1668.90 S	39.23 W	1669.36	181.35	0.31	-0.31
73	Mwd	6595.00	90.80	180.90	96	5190.73	1765.33	1764.89 S	40.07 W	1765.35	181.30	0.84	0.10
74	Mwd	6691.00	88.30	181.00	96	5191.48	1861.32	1860.87 S	41.66 W	1861.33	181.28	2.61	-2.60
75	Mwd	6787.00	89.00	180.70	96	5193.74	1957.29	1956.83 S	43.08 W	1957.30	181.26	0.79	0.73
76	Mwd	6882.00	88.60	180.00	95	5195.73	2052.26	2051.81 S	43.66 W	2052.27	181.22	0.85	-0.42
77	Mwd	6978.00	88.60	179.60	96	5198.08	2148.21	2147.78 S	43.33 W	2148.21	181.16	0.42	0.00
78	Mwd	7074.00	89.20	179.70	96	5199.92	2244.16	2243.76 S	42.74 W	2244.16	181.09	0.63	0.63
79	Mwd	7169.00	90.40	179.80	95	5200.25	2339.14	2338.75 S	42.33 W	2339.14	181.04	1.27	1.26
80	Mwd	7265.00	90.90	179.80	96	5199.16	2435.11	2434.75 S	41.99 W	2435.11	180.99	0.52	0.52
81	Mwd	7360.00	90.20	180.90	95	5198.25	2530.09	2529.74 S	42.57 W	2530.10	180.96	1.37	-0.74
82	Mwd	7456.00	90.00	180.40	96	5198.08	2626.09	2625.73 S	43.66 W	2626.09	180.95	0.56	-0.21
83	Mwd	7552.00	90.00	180.10	96	5198.08	2722.08	2721.73 S	44.08 W	2722.09	180.93	0.31	0.00
84	Mwd	7647.00	90.60	179.80	95	5197.59	2817.06	2816.73 S	44.00 W	2817.07	180.89	0.71	0.63
85	Mwd	7743.00	90.10	180.40	96	5197.00	2913.04	2912.73 S	44.16 W	2913.06	180.87	0.81	-0.52
86	Mwd	7839.00	89.60	179.10	96	5197.25	3009.01	3008.72 S	43.74 W	3009.04	180.83	1.45	-0.52
87	Mwd	7934.00	89.40	177.50	95	5198.08	3103.90	3103.67 S	40.93 W	3103.94	180.76	1.70	-0.21
88	Mwd	8030.00	90.30	179.30	96	5198.33	3199.79	3199.63 S	38.25 W	3199.86	180.68	2.10	0.94
89	Mwd	8125.00	90.90	179.40	95	5197.34	3294.74	3294.62 S	37.17 W	3294.83	180.65	0.64	0.63
90	Mwd	8221.00	90.10	180.40	96	5196.50	3390.71	3390.61 S	37.00 W	3390.81	180.63	1.33	-0.83
91	Mwd	8339.00	86.60	181.20	118	5199.90	3508.64	3508.53 S	38.65 W	3508.75	180.63	3.04	-2.97
92	Mwd	8435.00	86.00	180.70	96	5206.09	3604.44	3604.32 S	40.24 W	3604.54	180.64	0.81	-0.62
93	Mwd	8530.00	85.90	180.60	95	5212.80	3699.20	3699.08 S	41.31 W	3699.31	180.64	0.15	-0.11
94	Mwd	8626.00	87.30	181.70	96	5218.49	3795.03	3794.88 S	43.23 W	3795.13	180.65	1.85	1.46
95	Mwd	8722.00	89.20	182.60	96	5221.43	3890.96	3890.77 S	46.83 W	3891.05	180.69	2.19	1.98
96	Mwd	8817.00	88.10	181.80	95	5223.66	3985.92	3985.67 S	50.48 W	3985.99	180.73	1.43	-1.16
97	Mwd	8913.00	89.90	183.80	96	5225.34	4081.85	4081.53 S	55.17 W	4081.90	180.77	2.80	1.88
98	Mwd	9008.00	90.10	183.00	95	5225.34	4176.77	4176.36 S	60.80 W	4176.80	180.83	0.87	0.21
99	Mwd	9104.00	90.00	183.00	96	5225.26	4272.71	4272.23 S	65.83 W	4272.74	180.88	0.10	-0.10
100	Mwd	9200.00	90.00	182.60	96	5225.26	4368.67	4368.11 S	70.52 W	4368.68	180.92	0.42	0.00
101	Mwd	9295.00	89.30	182.80	95	5225.84	4463.63	4463.01 S	74.99 W	4463.64	180.96	0.77	-0.74
102	Mwd	9391.00	88.60	181.80	96	5227.59	4559.59	4558.91 S	78.84 W	4559.59	180.99	1.27	-0.73
103	Mwd	9487.00	88.80	182.60	96	5229.77	4655.54	4654.82 S	82.53 W	4655.55	181.02	0.86	0.21
104	Mwd	9582.00	89.40	183.20	95	5231.27	4750.48	4749.68 S	87.33 W	4750.48	181.05	0.89	0.63

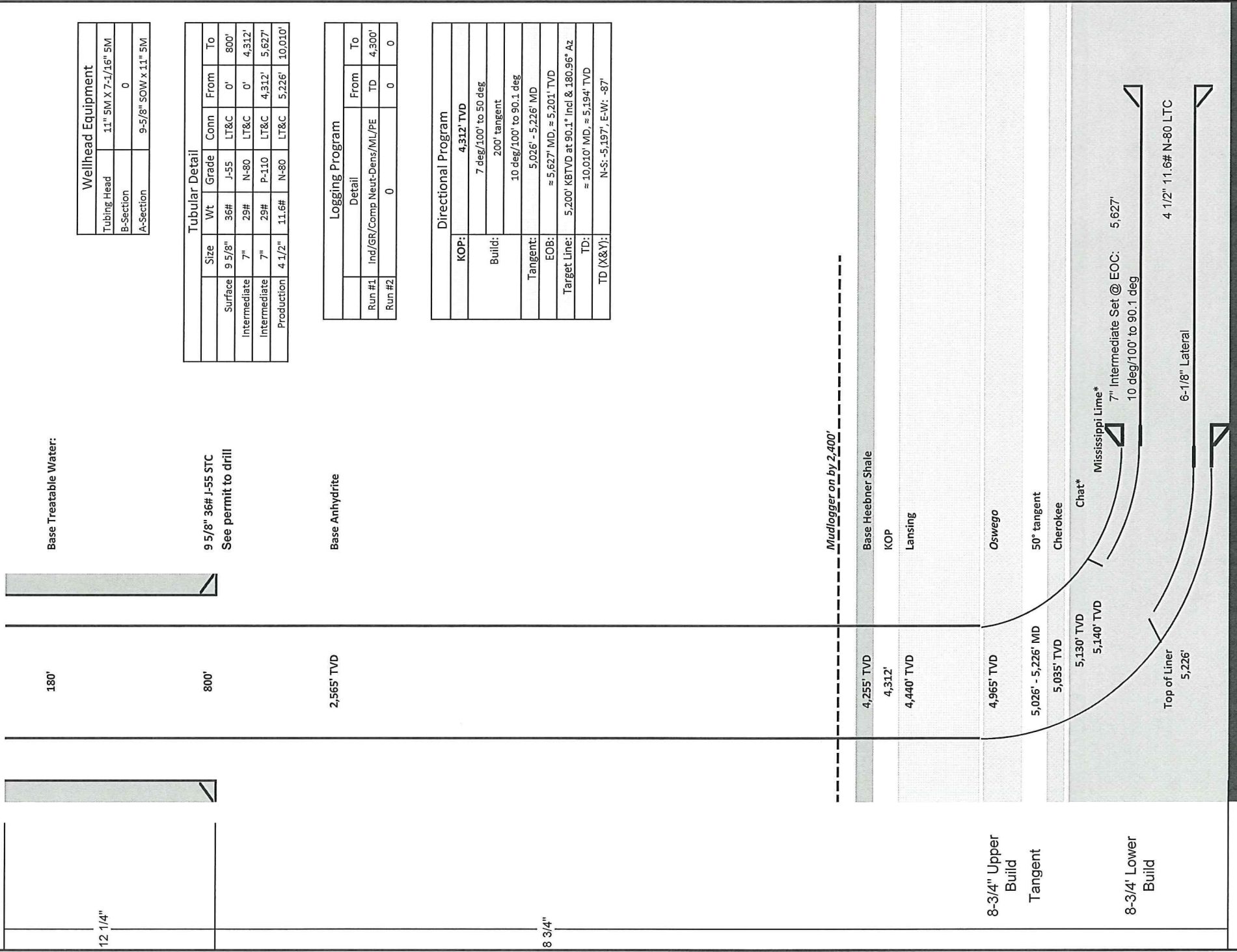


Lariat Rig 38

281-436-6237

Well: Mariah 1-36H
 Field: Kansas – Six Moons
 County: Comanche County, Kansas
 Surface: 200' FSL & 660' FEL of Sec. 25-31S-20W
 PBHL: 200' FSL & 660' FEL of Sec. 36-31S-20W
 GL: 2,069' KB: 2,088.5'

Engineer: Marc Harvey
 Manager: Roger Wilson
 Geology: Kathy Gentry
 Production: Chad Hunt
 Land: Shaun Lambert
 AFE #: DC11478



Wellhead Equipment	
Tubing Head	11" 5M X 7-3/16" 5M
B-Section	0
A-Section	9-5/8" SOW x 11" 5M

Tubular Detail						
	Size	Wt	Grade	Conn	From	To
Surface	9 5/8"	36#	J-55	LT&C	0'	800'
Intermediate	7"	29#	N-80	LT&C	0'	4,312'
Intermediate	7"	29#	P-110	LT&C	4,312'	5,627'
Production	4 1/2"	11.6#	N-80	LT&C	5,226'	10,010'

Logging Program			
	Detail	From	To
Run #1	Ind/GR/Comp Neut-Dens/ML/PE	TD	4,300'
Run #2		0	0

Directional Program	
KOP:	4,312' TVD
Build:	7 deg/100' to 50 deg 200' tangent
Tangent:	10 deg/100' to 90.1 deg 5,026' - 5,226' MD
EOB:	≈ 5,627' MD, ≈ 5,201' TVD
Target Line:	5,200' KBTVD at 90.1° Incl & 180.96° Az
TD:	≈ 10,010' MD, ≈ 5,194' TVD
TD (X&Y):	N-S: -5,197'; E-W: -87'

Prepared By	Date	Cementing	Logging Company	Mud Loggers	Mud Company	Directional
Marc Harvey	1/18/2012	O-Tex Greg Kirby (580) 475-2541	TBD	Horizon Mud Logging Russ Wollard (405) 612-2042	Chaparral Drig Fluids Jeff Taylor (405) 637-6260	DrillRight Technologies Dick Spencer (405) 850-5935
		Liner Hanger TIW Chuck Boyd 405-226-7672	Soil Farming Company Mudslingers, LLC Kristi James (580) 541-9508		HWDP Smith/Thomas Tool Dallas Clark (405-712-3624)	

Total Measured Depth: 10,010' MD
 True Vertical Depth: 5,194' TVD

JOB SUMMARY			PROJECT NUMBER SOK0886	TICKET DATE 10/11/11
COUNTY Comanche	State Kansas	COMPANY Sandridge Exp and Production	CUSTOMER REP Roger Harris	
LEASE NAME Mariah	Well No. 1-36H	JOB TYPE Surface	EMPLOYEE NAME Chris Bigbey	

EMP NAME	Chris Bigbey				
	Jared Green				
	Larry Kirchner Sr.				
	Micheal Horne				

Form. Name _____ Type: _____
 Packer Type _____ Set At **0**
 Bottom Hole Temp. **80** Pressure _____
 Retainer Depth _____ Total Depth **838**

Date	Called Out 10/12/2011	On Location 10/12/2011	Job Started 10/12/2011	Job Completed 10/12/2011
Time	0300	0800	1143	1243

Type and Size	Qty	Make
Auto Fill Tube	0	IR
Insert Float Val	0	IR
Centralizers	0	IR
Top Plug	0	IR
HEAD	0	IR
Limit clamp	0	IR
Weld-A	0	IR
Texas Pattern Guide Shoe	0	IR
Cement Basket	0	IR

	New/Used	Weight	Size	Grade	From	To	Max. Allow
Casing		36.0	9 5/8		Surface	838	
Liner							
Liner							
Tubing			0				
Drill Pipe							
Open Hole			12 1/4		Surface	835	Shots/Ft.
Perforations							
Perforations							
Perforations							

Materials

Mud Type _____ Density _____ Lb/Gal
 Disp. Fluid _____ Density _____ Lb/Gal
 Spacer type _____ BBL. _____
 Spacer type _____ BBL. _____
 Acid Type _____ Gal. _____ %
 Acid Type _____ Gal. _____ %
 Surfactant _____ Gal. _____ In
 NE Agent _____ Gal. _____ In
 Fluid Loss _____ Gal/Lb _____ In
 Gelling Agent _____ Gal/Lb _____ In
 Fric. Red. _____ Gal/Lb _____ In
 MISC. _____ Gal/Lb _____ In

Perfpac Balls _____ Qty. _____
 Other _____
 Other _____
 Other _____
 Other _____

Hours On Location		Operating Hours		Description of Job
Date	Hours	Date	Hours	
10/12		10/12	1.0	Surface
Total	0.0	Total	1.0	

Pressures	
MAX 1500	AVG. 200
Average Rates in BPM	
MAX 6	AVG 5
Cement Left in Pipe	
Feet 44	Reason Shoe Jt.

Stage		Cement	Additives	W/Rq.	Yield	Lbs/Gal
1	340	O-Tex Lite Standard	(6%Gel) 2% Calcium Chloride - 1/4 lb/sk Cellflake - 0.5% C-41P	10.88	1.84	12.70
2	180	Standard	2% Calcium Chloride - 1/4 lb/sk Celloflake	5.20	1.18	15.60
3	100	Standard	2% Calcium Chloride on the side	5.20	1.18	15.60

Summary

Preflush Type: _____ Preflush: BBI Type: Water
 Breakdown _____ MAXIMUM 1,500 Load & Bkdn: Gal - BBI _____ Pad:Bbl -Gal
 _____ Lost Returns-N no Excess /Return BBI 40 Calc. Disp Bbl 62
 _____ Actual TOC surface Calc. TOC: surface Actual Disp. 59.00
 Average _____ Frac. Gradient _____ Treatment: Gal - BBI _____ Disp:Bbl 61.50
 ISIP 5 Min. _____ 10 Min. _____ 15 Min. _____ Cement Slurry: BBI 149.2
 Total Volume BBI 218.20

CUSTOMER REPRESENTATIVE Roger Harris SIGNATURE

JOB SUMMARY			PROJECT NUMBER SOK0908	TICKET DATE 10/17/11
COUNTY Comanche	State Kansas	COMPANY Sandridge Exp and Prod	CUSTOMER REP Felix Ortez Jr.	
LEASE NAME Mariah	Well No. 1-36H	JOB TYPE Intermediate	EMPLOYEE NAME LOUIS ARNEY	

EMPLOYEE					
LARRY KIRCHNER					
LOUIS ARNEY					
MICHIAL BAJO					
FLO HELKENA					

Form. Name _____ Type: _____
 Packer Type _____ Set At **0**
 Bottom Hole Temp. **0** Pressure _____
 Retainer Depth _____ Total Depth **5627**

Date	Called Out	On Location	Job Started	Job Completed
	10/17/2011	10/18/2011	10/18/2011	10/18/2011
Time	18:00	1:00	6:23	7:30

Type and Size	Qty	Make
Auto Fill Tube	0	IR
Insert Float Val	0	IR
Centralizers	0	IR
Top Plug	0	IR
HEAD	0	IR
Limit clamp	0	IR
Weld-A	0	IR
Texas Pattern Guide Shoe	0	IR
Cement Basket	0	IR

New/Used		Weight	Size	Grade	From	To	Max. Allow
Casing		26.0	7		Surface		
Liner							
Liner							
Tubing							
Drill Pipe							
Open Hole			8 3/4		Surface	5,627	Shots/Ft.
Perforations							
Perforations							
Perforations							

Materials			
Mud Type	WBM	Density	9 Lb/Gal
Disp. Fluid	H2O	Density	8.33 Lb/Gal
Spacer type	BBL.		
Spacer type	BBL.		
Acid Type	Gal.	%	
Acid Type	Gal.	%	
Surfactant	Gal.	In	
NE Agent	Gal.	In	
Fluid Loss	Gal/Lb	In	
Gelling Agent	Gal/Lb	In	
Fric. Red.	Gal/Lb	In	
MISC.	Gal/Lb	In	
Perfpac Balls	Qty.		
Other			
Other			
Other			
Other			
Other			

Hours On Location		Operating Hours		Description of Job
Date	Hours	Date	Hours	
10/18	7.0	10/18	1.2	Intermediate
Total	7.0	Total	1.2	

Pressures	
MAX 5000	AVG 400
Average Rates in BPM	
MAX 8	AVG 4
Cement Left in Pipe	
Feet 84	Reason SHOE JOINT

Cement Data						
Stage	Sacks	Cement	Additives	W/Rq.	Yield	Lbs/Gal
1	200	50/50 POZ PREMIUM	4% Gel - 0.4% C-12 - 0.1% C-37 - 0.5% C-41P - 2 lb/sk Phenoseal	6.77	1.44	13.60
2	0	0		0	0.00	0.00
3	0	0		0	0.00	0.00

Summary					
Preflush	H2O	Type:	CAUSTIC H2O	Preflush:	BBI 30.00
Breakdown			MAXIMUM	Load & Bkdn:	Gal - BBI
			NO	Excess /Return	BBI 0
			Actual TOC	Calc. TOC:	3,808
Average		Frac. Gradient		Treatment:	Gal - BBI
15IP	5 Min.	10 Min.	15 Min.	Cement Slurry:	BBI 51.3
				Total Volume	BBI 286.30

CUSTOMER REPRESENTATIVE Roger Harris SIGNATURE Roger Harris

JOB SUMMARY			PROJECT NUMBER SOK0932	TICKET DATE 10/26/11
COURTY Comanche	State Kansas	COMPANY Landridge Exp and Productio	CUSTOMER REP Roger Harris	
LEASE NAME Mariah	Well No. 1-36H	JOB TYPE Liner	EMPLOYEE NAME LOUIS ARNEY	

EMP NAME	LOUIS ARNEY				
	EMMIT BROCK				
	BRYON DOUGLAS				
	DAVID SETTLEMIER				

Form. Name _____ Type: _____

Packer Type _____ Set At **5,605'**

Bottom Hole Temp. **150** Pressure _____

Retainer Depth _____ Total Depth **10,030'**

Date	Called Out 10/26/2011	On Location 10/26/2011	Job Started 10/26/2011	Job Completed 10/26/2011
Time	09:00	20:00	21:40	23:00

Type and Size	Qty	Make
Auto Fill Tube	0	Weatherford
Insert Float Val	0	
Centralizers	0	
Top Plug	0	
HEAD	0	
Limit clamp	0	
Weld-A	0	
Texas Pattern Guide Shoe	0	
Cement Basket	0	

Now/Used	Weight	Size	Grade	From	To	Max. Allow
Casing	11.6	4 1/2		5,231'	10,030'	3,500
Liner Tool		2 1/4ID		5,213'	5,231'	3,500
Drill Collars		2 1/4ID		4,290	5,213'	3,500
Drill Pipe	13.3	3 1/2"		Surface	4,290	3,500
Open Hole		6 1/8		Surface	10,030'	Shots/Ft.
Perforations						
Perforations						
Perforations						

Materials			
Mud Type	WBM	Density	8.4 Lb/Gal
Disp. Fluid	Fresh Water	Density	8.33 Lb/Gal
Spacer type	resh Water BBL.		20 8
Spacer type	Caustic BBL.		10 8
Acid Type	Gal.	%	
Acid Type	Gal.	%	
Surfactant	Gal.	ln	
NE Agent	Gal.	ln	
Fluid Loss	Gal/Lb	ln	
Gelling Agent	Gal/Lb	ln	
Fric. Red.	Gal/Lb	ln	
MISC.	Gal/Lb	ln	
Perfpac Balls	Qty.		
Other			
Other			
Other			
Other			
Other			

Hours On Location		Operating Hours		Description of Job
Date	Hours	Date	Hours	
10/26	4.0	10/26	1.5	Liner
Total	4.0	Total	1.5	

Pressures			
MAX	3,500 PSI	AVG.	600
Average Rates in BPM			
MAX	6 BPM	AVG	4.5
Cement Left in Pipe			
Feet	41	Reason	SHOE JOINT

Cement Data						
Stage	Sacks	Cement	Additives	W/Rq.	Yield	Lbs/Gal
1	510	50/60 Premium Poz	(4%Gel) - .4% C12 - .1% C37 - 0.6% C-41P -	2 Lb/Sk Pheno	6.77	1.44
2	0	0		0	0.00	0.00
3	0	0		0	0.00	0.00

Summary								
Preflush	H2O	Type:	CAUSTIC H2O	Preflush:	BBI	30.00	Type:	Fresh Water
Breakdown		MAXIMUM		Load & Bkdn:	Gal - BBI		Pad:Bbl -Gal	
		Lost Returns-N	NO RETURNS	Excess /Return	BBI	0	Calc.Disp Bbl	
		Actual TOC		Calc. TOC:		4,700	Actual Disp.	106.00
Average		Frac. Gradient		Treatment:	Gal - BBI		Disp:Bbl	
15MP	5 Min.	10 Min.	15 Min.	Cement Slurry:	BBI	130.8		
				Total Volume	BBI	266.80		

CUSTOMER REPRESENTATIVE *Felix [Signature]* SIGNATURE

American Measurement Services

A Limited Liability Company

Ames, Oklahoma

Station Number: KS03R0009
Producer: SANDRIDGE ENERGY
Lease: MARIAH 3-16H 1-36 H
Sample Pressure: 75.2
Sample Temperature: 46.4
Cylinder Number: 1049
Analysis By: AMS
Date Sampled: 12/15/2011
Analysis Run Date: 12/15/2011

Gas Components	Mole Percent	GPM
Methane	84.484	
Ethane	5.043	1.3406
Propane	1.211	0.3315
IButane	0.461	0.1501
NButane	0.637	0.1998
IPentane	0.325	0.1183
NPentane	0.175	0.0632
C6 +	0.602	0.2614
Nitrogen	6.849	
CO2	0.212	
	100.00%	2.4649

BTU @ 14.65 @ 60 F - Real

Dry 1059.1
Wet 1040.6

Gasoline Content

Propane And Heavier 1.1243
Butane And Heavier 0.7928
Pentane And Heavier 0.4429

Specific Gravity - Real 0.6636
Z = 0.9975

H2S Field Test: 0.0 PPM

Field Remarks:

Analysis Based Upon GPA 2145, 2172, And 2261

Conservation Division
Finney State Office Building
130 S. Market, Rm. 2078
Wichita, KS 67202-3802



Phone: 316-337-6200
Fax: 316-337-6211
<http://kcc.ks.gov/>

Mark Sievers, Chairman
Ward Loyd, Commissioner
Thomas E. Wright, Commissioner

Sam Brownback, Governor

January 19, 2012

Gil Messersmith
SandRidge Exploration and Production LLC
123 ROBERT S. KERR AVE
OKLAHOMA CITY, OK 73102-6406

Re: ACO1
API 15-033-21595-01-00
Mariah 1-36H
SE/4 Sec.25-31S-20W
Comanche County, Kansas

Dear Production Department:

We are herewith requesting that the Well Completion Form ACO-1 and attached information for the subject well be held confidential for a period of two years.

Should you have any questions or need additional information regarding subject well, please contact our office.

Respectfully,
Gil Messersmith

Logo

Back to Well Completion

Mariah 1-36H (1066257)

Actions

View PDF
Delete
Edit
Certify & Submit
Request Confidentiality

Attachments

Directional Survey OPERATOR	View PDF Delete
WellBore Diagram OPERATOR	View PDF Delete
Cementing Data OPERATOR	View PDF Delete
Gas Analysis OPERATOR	View PDF Delete
Two Year Confidentiality OPERATOR	View PDF Delete

Add Attachment

Remarks

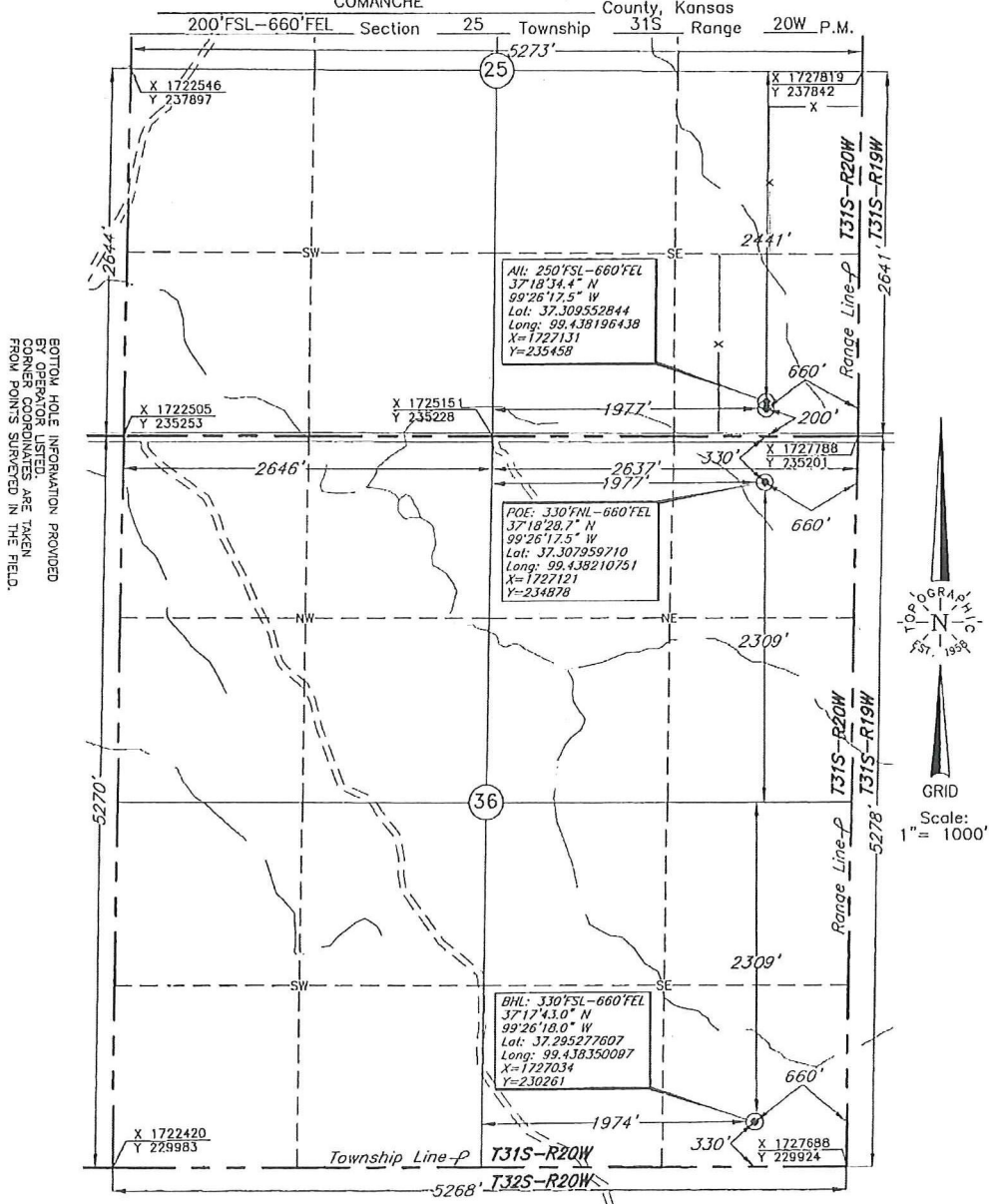
Remarks to KCC

Add Remark

Remarks

Tiffany Golay 01/20/012 09:23 am	For Drilling Fluid Mgmt Plan: TWP for German "2" SWD is actually 29 "N" not South but could not change on form
Tiffany Golay 01/19/012 02:45 pm	Conductor wt 95lbs 4.5 in production liner set 5223-10030
Karen Sharp 01/19/012 07:46 am	TMD 10,030'; TVD 5221'
Karen Sharp 01/18/012 01:49 pm	The Final Mudlog has been submitted. No open hole E-logs were run.

TOPOGRAPHIC LAND SURVEYORS
 6709 NORTH CLASSEN BLVD., OKLA. CITY, OKLA. 73116 * LOCAL (405) 843-4847 * OUT OF STATE (800) 654-3219
 Certificate of Authorization No. LS-99, Exp. Dec. 31, 2011
 COMANCHE County, Kansas



BOTTOM HOLE INFORMATION PROVIDED BY OPERATOR LISTED. FORMER COORDINATES ARE TAKEN FROM POINTS SURVEYED IN THE FIELD.

This location has been very carefully staked on the ground according to the best official survey records, maps, and photographs available to us, but its accuracy is not guaranteed. Review this plat and notify us immediately of any possible discrepancy.

Distances shown in (parenthesis) are calculated based upon the Quarter Section being 2640 feet, and have not been measured.

Operator: SANDRIDGE ENERGY, INC.
 Lease Name: MARIAH

Well No.: 1-36H
ELEVATION:
2069' Gr. at Stake

Topography & Vegetation Loc. fell in sloped alfalfa field, 117' North of E-W pipeline
 Alt: fell in sloped alfalfa field

Good Drill Site? No Alt: Yes Reference Stakes or Alternate Location
 Stakes Set 250'FNL-660'FEL Elev: 2069' at Gr.

Best Accessibility to Location From South
 Distance & Direction From the Jct. of US. Hwy. 183 & US. Hwy. 160 East, North of Coldwater, Ks., go 2 miles North on US. Hwy. 183, then 6 miles West to the SE Cor. of Sec. 25-T31S-R20W

The following information was gathered using a GPS receiver
 Accuracy ±2-3 Meters.

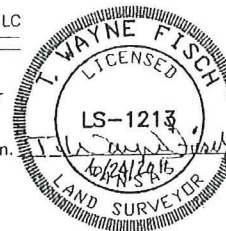
Date of Drawing: Jun. 23, 2011
 Invoice # 169225 Date Staked: Jun. 17, 2011 LC

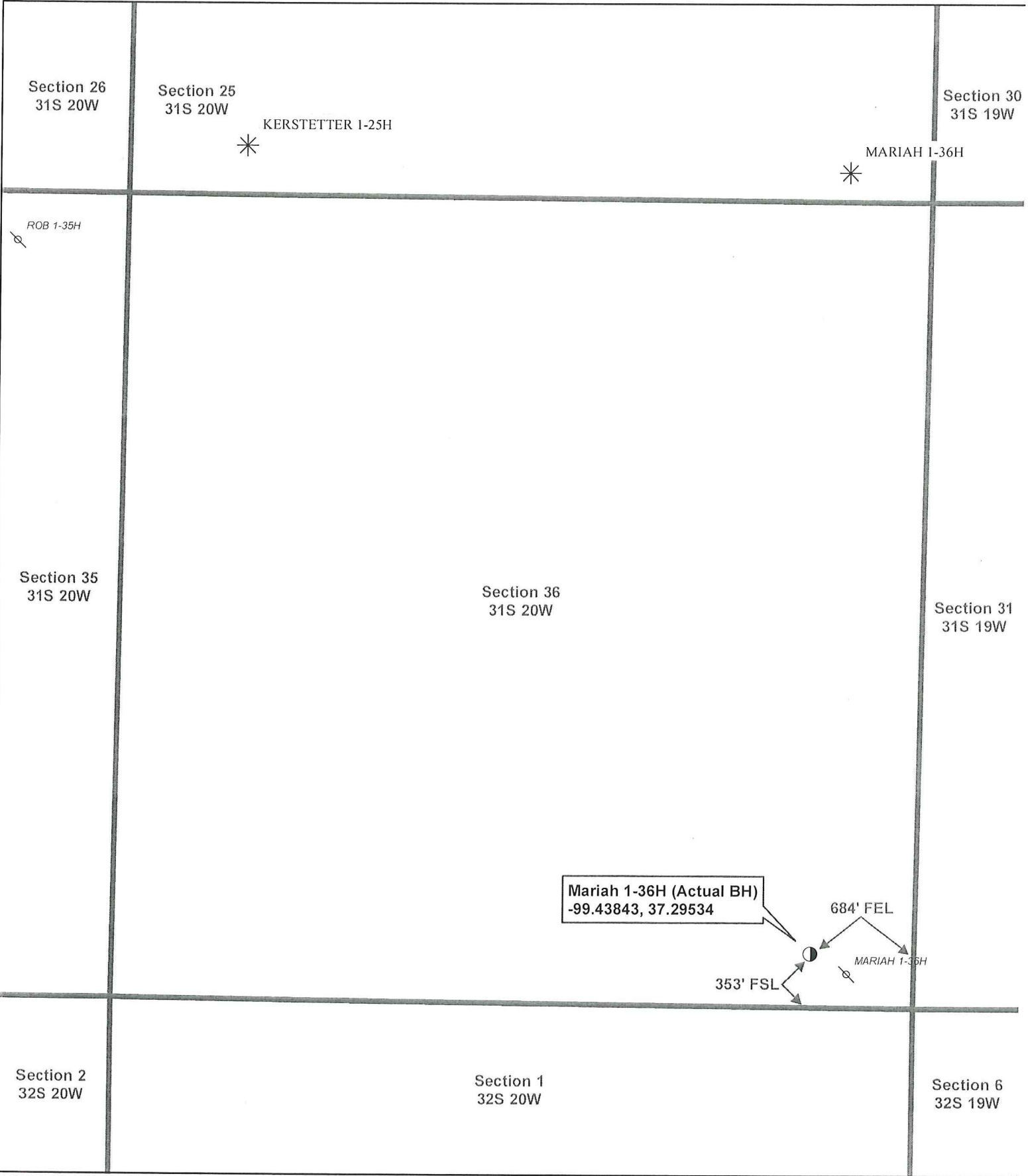
GPS
 DATUM: NAD-27
 LAT: 37°18'33.9"N
 LONG: 99°26'17.5"W
 LAT: 37.309415501
 LONG: 99.438198146
 STATE PLANE COORDINATES:
 ZONE: KS SOUTH
 X: 1727130
 Y: 235408

CERTIFICATE:

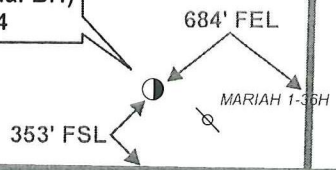
I, T. Wayne Fisch a Registered Land Surveyor and an authorized agent of Topographic Land Surveyors, do hereby certify that the above described well location was surveyed and staked on the ground as shown herein.

Kansas Reg. No. 1213



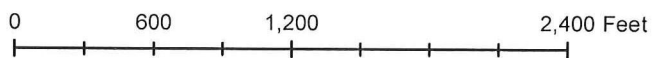


Mariah 1-36H (Actual BH)
 -99.43843, 37.29534



Actual Bottom-Hole Location of Mariah 1-36H
 Comanche County, Kansas
 T&R: 31S 20W
 Section: 36, 353' FSL & 684' FEL
 Long: -99.43843, Lat: 37.29534

1 in = 833 ft



- Actual BH Location
- Projected BH
- SandRidge Wells
- PLSS Sections

Draftsman: Matt White	Draft Date: 1/23/2012
Drawing Name/Number: Addendum_Mariah_1-36H.mxd	
Coordinate System: NAD 1927 State Plane Kansas South FIPS: 1502	